

Vấn đề về networking với proxmox sau khi cài NIC 10Gib

Sau khi Khỏi cài card 10 gb vào máy thu xong thì gặp vấn đề mất mạng vì proxmox không tự detect được network card name mới.

Cách khắc phục: update lại network name mới cho đúng

Sử dụng command sau để mò xem network name nào hoạt động:

```
nano /etc/network/interfaces
```

```
GNU nano 7.2 /etc/network/interfaces
# network interface settings; autogenerated
# Please do NOT modify this file directly, unless you know what
# you're doing.
#
# If you want to manage parts of the network configuration manually,
# please utilize the 'source' or 'source-directory' directives to do
# so.
# PVE will preserve these directives, but will NOT read its network
# configuration from sourced files, so do not attempt to move any of
# the PVE managed interfaces into external files!

auto lo
iface lo inet loopback

iface enp1s0 inet manual

auto vmbr0
iface vmbr0 inet static
    address 192.168.1.91/24
    gateway 192.168.1.1
    bridge-ports enp1s0
    bridge-stp off
    bridge-fd 0
    bridge-vlan-aware yes
    bridge-vids 2-4094

iface wlp2s0 inet manual

[ Read 28 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

Hiện tại network name của mình là enp1s0. Tùy theo config cũ nó sẽ có số thứ tự naming riêng

```
ethtool enp1s0
```

```
root@gray:~# ethtool enp1s0
Settings for enp1s0:
    Supported ports: [ TP ]
    Supported link modes:   10baseT/Half 10baseT/Full
                           100baseT/Half 100baseT/Full
                           1000baseT/Full
                           2500baseT/Full

    Supported pause frame use: Symmetric
    Supports auto-negotiation: Yes
    Supported FEC modes: Not reported
    Advertised link modes:  10baseT/Half 10baseT/Full
                           100baseT/Half 100baseT/Full
                           1000baseT/Full
                           2500baseT/Full

    Advertised pause frame use: Symmetric
    Advertised auto-negotiation: Yes
    Advertised FEC modes: Not reported
    Speed: 1000Mb/s
    Duplex: Full
    Auto-negotiation: on
    Port: Twisted Pair
    PHYAD: 0
    Transceiver: internal
    MDI-X: off (auto)
    Supports Wake-on: pumbg
    Wake-on: g
    Current message level: 0x00000007 (7)
                           drv probe link

    Link detected: yes
```

Chúng ta có thể thay đổi enp1s0 thành enp2s0 ... cho tới enp20s0 . nếu như link đánh command ethtool enp2s0 mà nó hiện ra bằng na ná như hình thì nó đang có link (hoạt động). Tức là ta có thể sử dụng name đó cho network interfaces.

3. command để list link nào còn hoạt động:

```
ip link show
```

```

root@gray:~# ip link show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN mode DEFAULT group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
2: enp1s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq master vmbro state UP mode DEFAULT group default qlen 1000
    link/ether 70:70:fc:03:80:21 brd ff:ff:ff:ff:ff:ff
3: wlp2s0: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN mode DEFAULT group default qlen 1000
    link/ether c8:5e:a9:c3:8a:0c brd ff:ff:ff:ff:ff:ff
4: vmbro: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP mode DEFAULT group default qlen 1000
    link/ether 70:70:fc:03:80:21 brd ff:ff:ff:ff:ff:ff
5: tap100i0: <BROADCAST,MULTICAST,PROMISC,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast master vmbro state UNKNOWN mode DEFAULT group default qlen 1000
    link/ether 5e:4b:a0:dc:25:77 brd ff:ff:ff:ff:ff:ff
6: tap101i0: <BROADCAST,MULTICAST,PROMISC,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast master vmbro state UNKNOWN mode DEFAULT group default qlen 1000
    link/ether 76:bf:69:a3:b3:fe brd ff:ff:ff:ff:ff:ff
7: tap113i0: <BROADCAST,MULTICAST,PROMISC,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast master vmbro state UNKNOWN mode DEFAULT group default qlen 1000
    link/ether 1a:65:f8:31:8c:cb brd ff:ff:ff:ff:ff:ff
8: tap116i0: <BROADCAST,MULTICAST,PROMISC,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast master vmbro state UNKNOWN mode DEFAULT group default qlen 1000
    link/ether e6:5b:b1:0e:ff:3f brd ff:ff:ff:ff:ff:ff

```

Thử chỉnh sửa /etc/network/interfaces với cái name nào mà còn up sau đó nhớ đánh command để restart network lại

```
systemctl restart networking
```

Sau khi chỉnh sửa network name enp1s0 và restart networking xong thì cứ việc ping tới router, nếu router chịu trả về response thì đạt nhé:

```
ping 192.168.1.1
```

192.168.1.1 là ip của router nhà mình

```

root@gray:~# ping 192.168.1.1
PING 192.168.1.1 (192.168.1.1) 56(84) bytes of data.
64 bytes from 192.168.1.1: icmp_seq=1 ttl=64 time=0.171 ms
64 bytes from 192.168.1.1: icmp_seq=2 ttl=64 time=0.214 ms
64 bytes from 192.168.1.1: icmp_seq=3 ttl=64 time=0.412 ms
64 bytes from 192.168.1.1: icmp_seq=4 ttl=64 time=0.162 ms
64 bytes from 192.168.1.1: icmp_seq=5 ttl=64 time=0.246 ms
64 bytes from 192.168.1.1: icmp_seq=6 ttl=64 time=0.354 ms
64 bytes from 192.168.1.1: icmp_seq=7 ttl=64 time=0.361 ms

```

Gg gl hf

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